

Remarks

I. The Amendments

The specification of the application was amended to add a new sequence listing and to add sequence identification numbers. Attached hereto as an Appendix is a marked-up version of the text showing the changes that were made. It can be seen that, except for the sequence identification numbers, the original text has not been altered. The one exception is for the description of figure 9 in which case support for the amended text can be found in the figure itself.

II. Submission of Computer Readable Form of Sequence Listing

Enclosed herewith is a 3.5 inch computer diskette containing a copy of the enclosed Sequence Listing in ASCII text.

III. Statements to Comply With Sequence Listing Rules

In compliance with 37 C.F.R. § 1.821(f), Applicants' undersigned attorney hereby states that the content of the paper and computer readable copies of the Sequence Listing submitted herewith are the same. In accordance with 37 C.F.R. § 1.821(g), Applicants' undersigned attorney hereby states that the Sequence Listing submitted herewith does not add new matter to the application.

Conclusion

In light of the amendments and remarks above, Applicants submit that they have now fully complied with all Sequence Listing rules. It is therefore respectfully request that the present objection regarding the rules be withdrawn. If, in the opinion of the Examiner, a

phone call may help to expedite the prosecution of this application, the Examiner is invited to call Applicants' undersigned attorney at (703) 905-2173.

Respectfully submitted,

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Appendix

Version with Markings to Show Changes Made

The specification of the present application has been amended to add sequence identification numbers. The changes that were made are shown below with the underlined words indicating text that was added and bracketed words indicating text that was removed.

On page 13, the paragraph beginning on line 7 was amended as follows:

- Figure 9: Map of the plasmid pJD-YHR063c. Also shown are two linker sequences:
GAATTCAGATCCGCGGCCGCAAAGAGGAGAAA
TAACTATG (SEQ ID NO:1) and
CTGCAGACTAGA (SEQ ID NO:2).

On page 17, lines 9-11 were amended as follows:

PCR primers for the *ilvC* gene from *E. coli*:
ilvC1 5'- AGAAGCACAACATCACGAGG - 3' (SEQ ID NO:3)
ilvC2 5'- CTCCAGGAGAAGGCTTGAGT - 3' (SEQ ID NO:4)

On page 25, lines 11-13 were amended as follows:

PCR primers for the *panE* gene from *E. coli*:
panE1 5'- AGGAGGACAATGAAAATTAC -3' (SEQ ID NO:5)
panE2 5'- TCAGTCTCTTCACTACCAGG -3' (SEQ ID NO:6)

Page 27 of the application, lines 3-11 were amended as follows:

PCR primers for the *panB* gene from *E. coli*:
panB1 5'- AGGATACGTTATGAAACCGA -3' (SEQ ID NO:7)
panB2 5'- ACAACGTGACTCCTTAATGG -3' (SEQ ID NO:8)

PCR primers for the *panC* gene from *E. coli*:
panC1 5'- AGGAGTCACGTTGTGTTAAT -3' (SEQ ID NO:9)
panC2 5'- AAGTATTACGCCAGCTCGAC -3' (SEQ ID NO:10)

PCR primers for the *panD* gene from *E. coli*:
panD1 5'- AGGTAGAAGTTATGATTCGC -3' (SEQ ID NO:11)
panD2 5'- TAACAATCAAGCAACCTGTA -3' (SEQ ID NO:12)

On page 32, lines 10-12 were amended as follows:

PCR primer for the avtA gene from *E. coli*:

avtA1 5'- TGCTCTCTCTCAACGCCGAA -3' (SEQ ID NO:13)

avtA2 5'- GAAGCCGCCAACCAGGATAA -3' (SEQ ID NO:14)

Page 42 of the application lines 11-15 were amended as follows:

- oJD539 (5'- EcoR1-Not1 START):
5'- GCGCGAATTCAGATCCGCGGCCGCAAAGAG
GAGAAATTA ACTATGACTGCACCACACAGAAG -3'
(SEQ ID NO:15)
- oJD540 (3' Spe1- Pst1 STOP):
5'- CGCGACTAGTCTGCAGTCAGTCCTTTCTCCA
GTCAC -3' (SEQ ID NO:16)

The application was amended on page 43, line 29-page 44, line 2, as follows:

- oJD105 (T-CYC1):
5'- GAAGTCATCGAAATAG -3' (SEQ ID NO:17)
- oJD106 (P-CUP1):
5'- TCGTTTCTGTCTTTTTC -3' (SEQ ID NO:18)